



UNITED STATES DEPARTMENT OF COMMERCE
National Institute of Standards and Technology
Gaithersburg, Maryland 20899

May 4, 2010

Dear Colleague,

I would like to invite people from your institution to attend the 21st annual NIST Computer Modeling Workshop (Gaithersburg, Maryland, USA, 11–13 August 2010). The workshop is held every year to help transfer computational materials science techniques in concrete to researchers in industry, academia, and government. It is sponsored by the National Institute of Standards and Technology (NIST), and co-sponsored by ASTM Committees C01 and C09.

The focus of the workshop is on cement-based materials, showing how microstructure development during hydration and subsequent properties can be computed with three-dimensional models. An emphasis of the workshop is how experimental materials science data can combine synergistically with computational materials science results to help solve the complex problems of concrete. The 3-day workshop is tutorial in nature, and is intended to be useful both to those who do experimental work and would like to learn how computer models can contribute to their research, as well as to those who themselves do computer modeling. The workshop is made up of lectures from NIST personnel, invited lectures from distinguished researchers in academia and government, and 15-minute talks from the workshop attendees themselves highlighting their areas of technical interest.

The enclosed brochure contains all other registration and technical details. The registration deadline is **31 July 2010**. There is no registration fee. To register on-line (the preferred method) and to look at an electronic version of the workshop announcement and lecture schedule, please see:

*An Electronic Monograph: Modeling and Measuring the
Structure and Properties of Cement-Based Materials*

<http://concrete.nist.gov/monograph/> (click on 2010 Workshop button)

One can also apply to attend the workshop by completing the registration form and mailing or faxing it to the address listed on the form. Note that non-US citizens need to supply a bit more information.

NOTE: All workshop attendees will need to have a picture I.D. (US driver's license or passport) when coming to the workshop, in order to be able to enter the NIST gates every day of the workshop.

Sincerely,

Jeffrey W. Bullard
Inorganic Materials Group
National Institute of Standards and Technology

NIST